

BY ORDER OF AFI 11-2C-17V3 ADDENDA B CL-1
THE SECRETARY OF THE AIR FORCE

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Flying Operations

**C-17 PILOT SOLL II BRIEFING GUIDES AND
CHECKLIST**

This checklist establishes procedures for the operation of C-17 aircraft employed by the Mobility Air Forces (MAF) to accomplish their worldwide missions.

This checklist complements AFI 11-2C-17V3 Addenda B, C-17 Special Operations Low Level (SOLL) II Procedures, and is printed on standard 8 1/2" x 11" bond paper then trimmed to a unique size (4 1/2" x 11") that will fit standard C-17 aircrew checklist binders. Units may request media from the OPR. Printed copies are limited to aircrew for use in in-flight and training purposes only.

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MISSION BRIEFING GUIDE

The aircraft commander will ensure all aircrew members receive this briefing prior to each mission. Brief only applicable items.

1. Mission overview (Time Hack)**2. Mission Profile**

- a. Team/Chalk Number**
- b. Itinerary/Sequence of Events**
- c. NOTAMS**

3. Weather

- a. Moon Illumination**
- b. Enroute**
- c. Terminal**
- d. Recovery**

4. Communications

- a. Call Sign**
- b. Interphone/Radio Discipline**
- c. Jumpseat Radio Duties**
- d. Authentication, COMSEC, OPSEC**
- e. IFF/SIF procedures**
- f. Emitter Control Procedures**
- g. Airborne Support Packages**

5. Intelligence, Threat, Security profile

- a. Threat/Hazards**

b. Classified Material

c. Special Security Requirements

6. Aircraft Preparation/Configuration

a. Passenger, Cargo, Fuel

b. Cockpit Preparation

c. Cargo Compartment Preparation

d. Exterior Configuration

e. Personal Equipment

7. NVG Operations

a. NVG Use

b. Aircraft Lighting

c. Crew Coordination

d. Jumpseat Pilot Duties

e. Objective Area Configuration/Identification

8. Departure and Ingress

a. Times: Station, Engine Start, Taxi, Control Point(s), TOT/TOA

b. Taxi Plan

c. Departure Procedures

d. Combat Entry Point/Checklist

9. Objective Area and Escape

a. Airdrop

b. Airland

c. Return Route of Flight**10. Hot Refueling Information****11. Emergency Procedure****a. Aborts: Aircraft/Mission****b. NVG Failure****c. Aircraft Egress****d. Emergency Safe Altitude****12. Evasion and Escape****a. USAF Selected Areas****b. Destruction of Classified Material/Equipment****13. Loadmaster-User Coordination****a. In-flight Warnings/Procedures****b. Visual and Verbal Signals****c. Opening of Aircraft Doors****d. Onload-Offload Procedures****e. Ground Plan**

JOINT MISSION BRIEFING GUIDE

Conduct this briefing with the user prior to mission execution. This is normally done during the time the crew and team are in isolation.

1. Mission Overview

- a. Team/Platoon Number**
- b. Mission Number/Call Sign/Chock Number**
- c. Mission Purpose**
- d. TOT/TOA**

2. Infil and Load Information

- a. Number of Troops/Type of Equipment**
- b. Load Plan and Rigging Requirements**
- c. Special Requirements (i.e., Security)**
- d. Aircraft location**

3. Enroute

- a. Flight Time**
- b. Threat Assessment**
- c. Route of Flight, Terrain, Go/No-Go Point, Copy of flight Route**
- d. Weather Forecast**

4. Objective Area

- a. Primary/Alternate DZ/LZ**
- b. Hazards/Threat**
- c. Ground Plan (Infil/Exfil Point)**
- d. User Specific Requirements (i.e., Time**

JOINT MISSION BRIEFING**Advisories)****5. Escape and Evasion**

- a. USAF Selected Area for Evasion**
- b. Point of No Return**
- c. Destruction of Classified Material**

6. Exfil

- a. Number of Troops/Type of Equipment**
- b. Load Plan**
- c. Special Requirements**
- d. Aircraft Location**

HOT REFUELING BRIEFING GUIDE

The crew briefing should be completed prior to arrival at the refueling area.

1. Designate HRS9s), SPRM, HDPs

2. Position of Aircraft

a. Taxi and Parking Plan

b. Escape Route

c. Emergency Assembly Area

3. Hot Refueling Equipment Layout

4. Receiver Aircraft

a. Type of Receiver(s)

b. Flow of Receiver(s)

c. Planned Offload

5. Minimum Fuel for Mission Completion

6. Aircraft Configuration

7. Emergency Signals

a. Aircraft Evacuation

AIRDROP CHECKLISTS**SO CABIN ALTITUDE CHECKLIST**

Accomplish this checklist prior to exceeding a cabin altitude of 10,000 feet MSL. The "OXYGEN CHECK" step of the checklist will be accomplished at a cabin altitude of 10,000 and 15,000 feet. At a cabin altitude of 20,000 feet, this step will be accomplished every 15 minutes or with each 5,000 foot increase in altitude, whichever is first, and will be accomplished every 5 minutes above 30,000 feet. The PF initiates the Cabin Altitude Checklist.

- 1. "CREW, CABIN ALTITUDE CHECKLIST" (PF) - "ACKNOWLEDGED" (PNF, JS, LM1, LM2)**
- 2. AVIONICS COOL ORIDE – ON (PNF)**
- 3. Cabin Press Panel- "SET" (PNF, PF)**
- 4. Oxygen Check- "COMPLETE" (PNF, PF, JS, LM1, LM2)**
 - a. Mask- Fitted**
 - b. Regulator- On/Set/Pressure**
 - c. Mask/Hose- Connections**
- 5. Loadmaster's Report- "CHECK COMPLETE" (LM1, LM2)**
- 6. Cabin Altitude Checklist-"COMPLETE" (PNF/JS)**

PRE-SLOWDOWN AIRDROP CHECKLIST

- 1. "CREW, PRE-SLOWDOWN CHECKLIST" (PF) - "ACKNOWLEDGED" (PNF, JS, LM1, LM2)**
- 2. LM Panel Power-ON (PNF/JS)**
- 3. Door Arming Switch-As Required (PNF/JS)**
- 4. Red Light- ON (PNF/JS)**
- 5. ADS Mode Switch-"AS REQUIRED" (PNF/JS)**

6. Cabin PRESS Panel-“SET” (PNF)
7. NAV Solution-CHECKED (PNF/JS)
8. BCN or ZM- SET (PNF/JS)
9. DZ Baro-SET (PNF/JS)
10. Flap Detent/Index-“ __FLAP, __INDEX” (PNF/JS)
11. Altimeters- “SET, __”(PNF, PF)
12. Airdrop Display-“SET” (PF)
13. “Drop group select” (HE only)- “SET ____/____”
(LM1) “CONFIRMED” (JS)
14. Loadmaster's Report- “CHECK COMPLETE”
(LM1, LM2)
15. Pre-Slowdown Checklist-“COMPLETE”(PNF/JS)

SLOWDOWN AIRDROP CHECKLIST

1. “CREW, SLOWDOWN CHECKLIST” (PF)-
“ACKNOW-LEDGED” (PNF, JS, LM1, LM2)
2. Slats/Flaps- “SLATS EXTENDED, FLAPS ONE-
HALF, INDEX ____” (PNF)
3. Thrust Rating-“SET” (PNF)
4. Doors- “CLEAR TO OPEN” (PNF/JS)
5. AFCS Panel- “SET FOR AIRDROP” (PF)
6. Doors- Open (PNF/JS)
7. ADS ARM Annunciator-ILLUMINATED (PNF/JS)
8. Loadmaster's Report- “CHECK COMPLETE”
(LM1, LM2)
9. Final Flaps-“FLAPS SET ____” (PNF)

10. Slowdown Checklist-“COMPLETE” (PNF/JS)

RELEASE POINT AIRDROP CHECKLIST

- 1. “STANDBY DROGUE” or “STANDBY READY LIGHT” (PNF)**
- 2. Pilots ADS Panel-“DROGUE DEPLOYED” or “READY LIGHT ON” (PNF)**
 - a. Ready/Drogue Switch light- ACTIVATED (PNF)**
 - b. RED LT Switch light-EXTINGUISHED (PNF)**
- 3. Status of Drogue (HE only)-“DROGUE OK” or “MALFUNCTION” (LM2)**
- 4. “FIVE, FOUR, THREE, TWO, ONE, GREEN LIGHT” (MC/PNF)**
- 5. Green Light- On (PNF)**
 - a. AUTO mode airdrop-Green Light confirmed (PNF)**
- 6. Airdrop Condition-“LOAD CLEAR” or “MALFUNCTION” (LM1)**
- 7. Red Light –“RED LIGHT” (MC/PNF)**

POST DROP AIRDROP CHECKLIST

*Items marked with an asterisk are re-accomplished for racetracks.

- *1. NAV SEL SW/AFCS Panel- Set (PNF)**
- 2. “RAMP AND DOOR CLOSED” (PNF) (As Required)**
- 3. Air Deflector(s)-“CLOSED” (LM1)**
- *4. Mission Computer-UPDATED (JS)**

a. Drop Complete (WT/CG)

b. Next TOT- FIX

**5. Loadmaster's HALO Safety Check- "COMPLETE"
(As Required) (LM1)**

6. Cabin PRESS Panel-"SET" (PNF)

***7. Loadmaster's Report-"CHECK COMPLETE"
(LM1, LM2)**

***8. Slats/Flaps- "AS REQUIRED" (PF)**

9. Thrust Rating- "SET" (PNF)

10. Air Drop Display-"SET" (PF)

11. DOOR SYS ARM Switchlight- OFF (PNF/JS)

12. LM Power Panel-SET (PNF/JS)

13. Red Light- OFF (PNF/JS)

***14. Post Drop Checklist - "COMPLETE" (PNF/JS)**

JUMP PILOT CHECKLIST

- 1. “CREW, JUMP PILOT CHECKLIST” (PF)
“ACKNOWLEDGED” (LM1, LM2)**
- 2. Slats/Flaps – “AS REQUIRED” (PF)**
- 3. “RAMP AND DOOR CLOSED” (PNF)**
- 4. DOOR SYS ARM Switchlight – OFF (PNF/JS)**
- 5. Mission Computer Data – UPDATED (JS)**
- 6. Flap Detent/Index – “ _____ FLAP, _____ INDEX”
(PNF/JS)**
- 7. Door(s) – OPEN (PNF)**
- 8. ADS ARM Annunciator – ILLUMINATED
(PNF/JS)**
- 9. Final Flaps– “FLAPS SET _____ ” (PNF)**
- 10. “ONE MINUTE” (MC/JS)**

JUMP PILOT RELEASE POINT

- 1. “STANDBY READY LIGHT” (PNF)**
- 2. Pilots ADS Panel – “READY LIGHT ON” (PNF)**
 - a. Ready/Drogue Switch light – ACTIVATED
(PNF)**
 - b. RED LT Switch light – EXTINGUISHED (PNF)**
- 3. “FIVE, FOUR, THREE, TWO, ONE GREEN
LIGHT” (MC/PNF)**
- 4. Green Light – On (PNF)**
 - a. AUTO mode airdrop – Green Light Confirmed
(PNF)**
 - b. MANUAL mode airdrop – Green Light
Activated (PNF)**

**5. Airdrop Condition – “LOAD CLEAR” or
“MALFUNCTION” (LM1)**

6. Red Light — “RED LIGHT” (MC/PNF)

JUMP PILOT POST DROP

1. Air Deflector(s) – “CLOSED” (LM1)

2. Mission Computer – UPDATED (JS)

a. Drop Complete (WT/CG)

b. Next TOT – FIX

3. Cabin PRESS Panel – “SET” (PNF)

**4. Loadmaster’s Report – “CHECK COMPLETE”
(LM1, LM2)**

5. Slats/Flaps – “AS REQUIRED” (PF)

6. Thrust Rating – “SET” (PNF)

7. Air Drop Display – “SET” (PF)

8. LM Panel Power – SET (PNF/JS)

9. Red Light – OFF (PNF/JS)

**10. Jump Pilot Post Drop Checklist – “COMPLETE”
(PNF/JS)**

SIXTY-MINUTE ADVISORY

1. **“SIXTY MINUTES” (JS) “ACKNOWLEDGED”**
(LM1, LM2)

THIRTY-MINUTE ADVISORY

1. **“THIRTY MINUTES” (JS) “ACKNOWLEDGED”**
(LM1, LM2)

TWENTY-MINUTE ADVISORY

1. **“TWENTY MINUTES” (JS) “ACKNOWLEDGED”**
(LM1, LM2)

TEN-MINUTE ADVISORY

1. **“TEN MINUTES” (JS) “ACKNOWLEDGED”**
(LM1, LM2)

SIX-MINUTE ADVISORY

1. **“SIX MINUTES” (JS) “ACKNOWLEDGED”**
(LM1, LM2)
2. **Pressurization – Depressurized (JS)**

**ONE-MINUTE ADVISORY
PILOTS**

1. **“TWO MILES” (JS)**

**SOLL II OPERATIONAL STOP
PILOTS**

- 1. “80 KNOTS” (JS)**
- 2. Radar – OFF/STBY (JS)**
- 3. Defensive Systems – SAFE (JS)**
- 4. Flaps/Slats – UP/RET (PNF)**
- 5. Spoiler Switch – “DEARMED” (PNF)**
- 6. Parking Brakes – “As Required” (PF)**
- 7. Throttles – “IDLE” (or “IDLE REV”) (PF)**
- 8. On/Offload Clearance – “CLEARED TO ON/OFFLOAD” (or “CREW ENTRY DOOR CLEARED TO OPEN” or “COMBAT OFFLOAD CHECKLIST” or “PRE-HOT REFEULING CHECKLIST”) (PF)**

- 9. IFF – STBY (PNF)**

If engines are to be shut down, complete the *asterisk* (*) items.

- *10. PROBE Heat Switch lights – “OFF” (CP)**
- *11. ANTI ICE Panel – OFF (CP)**
- *12. DC X TIE Switch – “TIE” (P)**
- *13. APU/External Power – AS REQUIRED (P)**
- *14. FCS ACTR Panel Switches – “FULL MECH/MECH/OFF” (P)**
- *15. ENV Panel – “SET” (P)**
- *16. Fuel Panel – “SET” (P)**
- *17. HYD Pumps – SET (CP)**
- *18. ENG SHUTOFF Switches – “OFF” (P)**

- *19. Standby Engine Sel Switch – “N2” (CP)**
- *20. Bleed Air Supply Press – “CHECKED” (P)**
- *21. Engines – Start (P)**
- *22. ENV Panel – “SET” (P)**
- *23. ENG ANTI ICE – “AS REQUIRED” (CP)**
- *24. PROBE Heat Switch lights – “ON” (CP)**
- *25. DC X TIE Switch – “OFF” (P)**
- *26. HYD XFER Pump – “AUTO” (P)**
- *27. FCS ACTR Panel Switches – “EFCS” (P)**
- *28. EFCS Reset Pushbutton – “PRESSED” (P)**
- *29. APU – “OFF” (P)**
- 30. Mission Computer Data – “CHECKED” (PNF, P, JS)**
 - a. Verify present position**
 - b. Verify flight plan data (AR, airdrop, MC approach, etc.)**
 - c. Verify WT/CG**
 - d. Verify TOLD**
 - e. IRUs – Set**
 - f. MCD/MSG Status – Checked**
- 31. Taxi Clearance – “CLEAR TO TAXI” (LM1)**
- 32. TOGA Mode – “ENGAGED” (PF)**
- 33. Thrust Rating – “SET” (PNF)**
- 34. Flap Index – “SET _____ ” (PNF)**

- 35. Stabilizer, Rudder, and Aileron Trim– “_____ DEGREES, 0, 0” (PNF, PF)**
- 36. Cabin PRESS Panel – “SET” (PNF, PF)**
- 37. Crew Briefing – “COMPLETE” (PF)**
- 38. Spoiler Switch – “ARM” (PNF)**
- 39. Radar – As Required (JS)**
- 40. WAP – “CHECKED” (PNF, PF)**
- 41. Defensive Systems – “ARMED” (JS)**
- 42. Loadmaster’s Report – “CHECK COMPLETE” (LM1)**
- 43. Operational Stop Checklist – “COMPLETE” (PNF/JS)**

PRE-HOT REFUELING

- 1. Brake Temps – “CHECKED” (CP)**
- 2. Interior Equipment – Set (CP)**
 - a. EMCON Pushbutton – Pressed**
 - b. Radios – As Required**
- 3. Hot Refueling Equipment – “POSITIONED” (HRS)**
- 4. Refueling Nozzle – “CONNECTED AND CHECKED (FWD or AFT)” (PO)**
- 5. Separation Valve – As Required (CP)**
- 6. X-FEED Valves – OPEN (CP)**
- 7. Left and/or Right Ground Refuel Valve(s) – “OPENED” (CP)**
- 8. Leak Check – “COMPLETED” (HRS, PO)**
- 9. Refueling Nozzle – “CONNECTED AND CHECKED (FWD or AFT)” (PO)**
- 10. Left and/or Right Ground Refuel Valve(s) – “CLOSED” (CP)**
- 11. Separation Valve – As Required (CP)**
- 12. Pre-Hot Refueling Checklist – “COMPLETED” (CP, HRS, PO)**

HOT REFUELING

- 1. “RECEIVERS READY” (HRS)**
- 2. Left and/or Right Ground Refuel Valve(s) – “OPENED” (CP)**
- 3. “REFUELING COMPLETE” (HRS)**
- 4. Left and/or Right Ground Refuel Valve – “CLOSED” (CP)**

5. Hot Refueling Checklist – “COMPLETED” (CP, HRS, PO)

POST HOT REFUELING

- 1. “CREW, POST HOT REFUELING CHECKLIST” – “ACKNOWLEDGED” (HRS, PO)**
- 2. X-FEED Valves – CLOSE (CP)**
- 3. Refueling Nozzle – “CONNECTED AND CHECKED (FWD or AFT)” (PO)**
- 4. Left and/or Right Ground Refuel Valve(s) – OPEN (CP)**
- 5. Separation Valve – As Required (CP)**
- 6. Fuel Fill Valves 2 and/or 3 – OPEN (CP)**
- 7. External Pump – “OFF” (PO)**
- 8. Left or Right Ground Refuel Valve – CLOSE (CP)**
- 9. Separation Valve – CLOSE (CP)**
- 10. Fuel Fill Valves 2 and/or 3 – CLOSE (CP)**
- 11. Interior Equipment – SET (CP)**
 - a. Emitter Control Pages $\frac{1}{2}$ – As Required**
 - b. IFF – As Required**
 - c. TACAN/DME – As Required**
 - d. Radios – As Required**
- 12. Post Hot Refueling Checklist – “COMPLETED” (CP, PO)**

FUEL LEAK/SPILL

- 1. “CREW, FUEL LEAK/SPILL CHECKLIST” (Any Crewmember)**
- 2. Ground Refuel Valve(s) “CLOSED” (CP)**
- 3. Refuel Nozzle(s) “SHUTDOWN” (PO)**
- 4. Controlling Agency “NOTIFIED” (As Required) (P)**
- 5. FAM Cart “SET” (HRS)**
- 6. Fuel Leak/Spill “CONTAINED” (HRS)**
- 7. Fuel Leak/Spill Checklist- “COMPLETED” (CP)**

AIRCREW EVACUATION

- 1. “CREW, AIRCREW EVACUATION CHECKLIST” (P)**
- 2. Ground Refuel Valve(s)- “CLOSED” (CP)**
- 3. Refuel Nozzle(s)-“SHUTDOWN” (PO)**
- 4. FAM Cart- “SET” (HRS)**
- 5. Throttles- “IDLE” (P)**
- 6. Parking Brakes- “ON” (P)**
- 7. Controlling Agency- “NOTIFIED” (As Required) (P)**
- 8. Ground Exits – “AS REQUIRED” (P)**
- 9. ENG SHUT OFF Switches- “OFF” (P)**
- 10. APU- “OFF” (P)**
- 11. EXT PWR-“OFF” (P)**
- 12. Crew/Passenger/Auxiliary Oxygen Systems –As Required (CP, JS)**

13. Troops/Crew-“EVACUATE” (P)
14. IRUs- “OFF” (CP, P)
15. BATT Switch – “OFF” (P)
16. Aircrew Evacuation Checklist- “COMPLETED” (P, CP)

AIRCRAFT TAXI

1. “CREW, AIRCRAFT TAXI CHECKLIST” (P)
2. Ground Refuel Valve(s) - “CLOSED” (CP)
3. Refuel Nozzle - “DISCONNECTED” (PO)
4. Controlling Agency - “NOTIFIED” (As Required) (P)
5. FAM Cart – “SET” (HRS)
6. Taxi Clearance -“CLEAR TO TAXI” (PO)
7. Aircraft Taxi Checklist -“COMPLETED” (CP)

FIRE/SPARKS

1. “CREW, FIRE/SPARKS CHECKLIST” (Any Crewmember)
2. Ground Refuel – Valve(s) “CLOSED” (CP)
3. Refuel Nozzle(s) – “SHUTDOWN” (PO)
4. Controlling Agency – “NOTIFIED” (As Required) (P)
5. FAM Cart – “SET” (HRS)
6. Fire/Sparks – “CONTAINED” (HRS)
7. Fire/Sparks Checklist – “COMPLETED” (CP)

HOT REFUELING EMERGENCY PROCEDURES**FUEL SPRAY IN EYE**

1. Flush with water.
2. Continue irrigation as long as burning persists.
3. Seek medical assistance immediately.

INDIVIDUAL SPRAYED WITH FUEL

1. Flush individual with large quantities of water and soap.
2. Remove all contaminated clothing.
3. Continue irrigation of individual as long as burning sensation persists.
4. Seek medical attention immediately.

INDIVIDUAL OVERCOME BY FUMES

1. Take individual to aircraft and place on oxygen.
2. Seek medical assistance immediately.

**FUEL SERVICING SAFETY ZONE (FSSZ)
VIOLATION**

1. Ground Refuel Valve(s) – “CLOSED” (CP)
2. Refuel Nozzle(s) – “SHUTDOWN” (PO)
3. The PO will close the nozzle shutoff valve(s).

HOSE RUPTURE

1. Complete FUEL LEAK/SPILL Checklist
2. Replace/Repair hose.

FAM CART FAILURE

- | |
|---|
| <ol style="list-style-type: none">1. Ground Refuel Valve(s) – “CLOSED” (CP)2. Refuel Nozzle(s) – “SHUTDOWN” (PO)3. FAM Cart – “SET” (HRS)4. T, X, Y Assembly – “Installed” (As Required) (HRS) |
|---|

RECEIVER SPR INOPERATIVE

- | |
|--|
| <ol style="list-style-type: none">1. Replace refuel nozzle connected to receiver. |
|--|

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